

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: March 9, 2002, 00:54:07 ; Search time 319.49 Seconds
(Without alignments)
17.722 Million cell updates/sec

Title: US-09-851-670-6

Perfect score: 25
Sequence: 1 ccctagccccccagctctactgct 25

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 515962

Minimum DB seq length: 0
Maximum DB seq length: 60

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

- 1: Issued_Patents.NA.*
- 2: /cgn2_6/ptodata/2/ina/5A.COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/5B.COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6A.COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/6B.COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/PCRTUS.COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18	72.0	18	4	US-09-474-922A-54
2	15.2	60.8	20	2	US-08-478-178A-89
3	15.2	60.8	20	2	US-08-488-177-89
4	15.2	60.8	20	2	US-08-481-072A-89
5	15.2	60.8	20	2	US-08-664-336-89
6	15.2	60.8	20	2	US-08-481-066A-89
7	15.2	60.8	20	3	US-08-578-615A-97
8	15.2	60.8	20	5	PCT-US94-07770-97
9	15.2	60.8	36	2	US-08-292-620A-1175
10	15.2	60.8	36	2	US-08-292-620A-1407
11	15.2	60.8	36	3	US-09-071-845-1175
12	15.2	60.8	36	3	US-09-071-845-1407
13	14.8	59.2	20	2	US-08-478-178A-103
14	14.8	59.2	20	2	US-08-488-177-103
15	14.8	59.2	20	2	US-08-481-072A-103
16	14.8	59.2	20	2	US-08-664-336-103
17	14.8	59.2	20	2	US-08-481-066A-103
18	14.6	58.4	38	1	US-08-390-850-987
19	14.6	58.4	38	1	US-08-435-654-987
20	14.4	57.6	51	1	PCT-US94-01238-65
21	14.4	57.6	51	5	PCT-US94-01238-65
22	14.2	56.8	36	1	US-08-319-492B-204
23	14.2	56.8	54	1	US-08-077-797A-64
24	14.2	56.8	54	5	PCT-US94-01238-64
25	14.2	56.8	18	4	US-09-474-922A-55
26	14	56.0	57	1	US-08-209-525-17
27	14	56.0	57	1	US-08-300-386A-19

c 28	14	56.0	57	1	US-08-077-797A-54	Sequence 54, Appl
c 29	14	56.0	57	3	US-08-931-645-19	Sequence 19, Appl
c 30	14	56.0	57	5	PCT-US94-01238-54	Sequence 54, Appl
c 31	14	56.0	57	5	PCT-US94-01258-19	Sequence 19, Appl
c 32	14	56.0	57	5	PCT-US95-11235-19	Sequence 19, Appl
c 33	13.6	54.4	20	3	US-08-911-894-17	Sequence 17, Appl
c 34	13.6	54.4	21	1	US-08-445-269B-26	Sequence 26, Appl
c 35	13.6	54.4	36	2	US-08-291-932A-643	Sequence 643, App
c 36	13.6	54.4	36	2	US-08-292-620A-1145	Sequence 1145, App
c 37	13.6	54.4	36	2	US-08-292-620A-1496	Sequence 1496, App
c 38	13.6	54.4	36	2	US-08-585-684B-526	Sequence 526, App
c 39	13.6	54.4	36	2	US-08-585-684B-1412	Sequence 1412, App
c 40	13.6	54.4	36	3	US-08-476-509B-41	Sequence 41, Appl
c 41	13.6	54.4	36	3	US-09-071-845-1145	Sequence 1145, App
c 42	13.6	54.4	36	3	US-09-071-845-1496	Sequence 1496, App
c 43	13.6	54.4	36	4	US-09-038-073-526	Sequence 526, App
c 44	13.6	54.4	36	4	US-09-038-073-1412	Sequence 1412, App
c 45	13.6	54.4	38	1	US-08-390-850-722	Sequence 722, App

ALIGNMENTS

```

RESULT 1
US-09-474-922A-54
Sequence 54, Application US/09474922A
Patent No. 6187586
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Lex M. Cowser
TITLE OF INVENTION: ANTISENSE MODULATION OF AKT-3 EXPRESSION
FILE REFERENCE: RTS-0036
CURRENT APPLICATION NUMBER: US/09/474,922A
CURRENT FILING DATE: 1999-12-29
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 54
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-474-922A-54

Query Match 72.0%; Score 18; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 ctagccccccagctcta 20
Db 1 ctagccccccagctcta 18

RESULT 2
US-08-478-178A-89
Sequence 89, Application US/08478178A
Patent No. 5882927
GENERAL INFORMATION:
APPLICANT: Nicholas Dean, C. Frank Bennett
TITLE OF INVENTION: Oligonucleotide Modulation of
TITLE OF INVENTION: Protein
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESSES:
ADDRESS: Woodcock Washburn Kurtz
ADDRESS: Mackiewicz & No. 5882927ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
  
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COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,178A
FILING DATE: herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 852,852
FILING DATE: March 16, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Rebecca Ralph Gaumond
REGISTRATION NUMBER: 35,152
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 89:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
ANTI-SENSE: yes
US-08-478-178A-89

Query Match 60.8%; Score 15.2; DB 2; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ccctagggccaccagctcta 20
||| ||| ||| ||| ||| ||| |||
Db 1 CCCGAGGCCCCACAGTCCA 20

RESULT 3
US-08-488-177-89
Sequence 89, Application US/08488177
Patent No. 5885970
GENERAL INFORMATION:
APPLICANT: Nicholas Dean, C. Frank Bennett
TITLE OF INVENTION: Oligonucleotide Modulation of
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,177
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 852,852
FILING DATE: March 16, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Paul K. Legaard
REGISTRATION NUMBER: 38,534
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 89:

SEQUENCE CHARACTERISTICS:
LENGTH: 20
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
ANTI-SENSE: yes
US-08-488-177-89

Query Match 60.8%; Score 15.2; DB 2; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ccctagggccaccagctcta 20
||| ||| ||| ||| ||| ||| |||
Db 1 CCCGAGGCCCCACAGTCCA 20

RESULT 4
US-08-481-072A-89
Sequence 89, Application US/08481072A
Patent No. 5916807
GENERAL INFORMATION:
APPLICANT: Nicholas Dean, C. Frank Bennett
TITLE OF INVENTION: Oligonucleotide Modulation of
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,072A
FILING DATE: herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 852,852
FILING DATE: March 16, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Rebecca Ralph Gaumond
REGISTRATION NUMBER: 35,152
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 89:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
ANTI-SENSE: yes
US-08-481-072A-89

Kinase C

Query Match 60.8%; Score 15.2; DB 2; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ccctagggccaccagctcta 20
||| ||| ||| ||| ||| ||| |||
Db 1 CCCGAGGCCCCACAGTCCA 20

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RESULT 5
US-08-664-336-89
; Sequence 89, Application US/08664336
; Patent No. 5922686
; GENERAL INFORMATION:
; APPLICANT: Nicholas Dean, C. Frank Bennett
; TITLE OF INVENTION: Oligonucleotide Modulation of Protein
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz
; ADDRESSEE: Mackiewicz & No. 5922686ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 720 kb STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/664.336
; FILING DATE: herewith
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 852,852
; FILING DATE: March 16, 1992
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 089,996
; FILING DATE: July 9, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul K. Legaard
; REGISTRATION NUMBER: 38,534
; REFERENCE/DOCKET NUMBER: ISIS-2345
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 89:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; ANTI-SENSE: yes
; US-08-664-336-89

Query Match          60.8%; Score 15.2; DB 2; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,066A
; FILING DATE: herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 852,852
; FILING DATE: March 16, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Rebecca Ralph Gaumond
; REGISTRATION NUMBER: 35,152
; REFERENCE/DOCKET NUMBER: ISIS-1154
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 89:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; ANTI-SENSE: yes
; US-08-481-066A-89

Query Match          60.8%; Score 15.2; DB 2; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

RESULT 7
US-08-578-615A-97
; Sequence 97, Application US/08578615A
; Patent No. 6015892
; GENERAL INFORMATION:
; APPLICANT: Nicholas Dean, C. Frank Bennett and Russell, T. Boggs
; TITLE OF INVENTION: Oligonucleotide Modulation of Protein KinaseC
; NUMBER OF SEQUENCES: 122
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6015892ris LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/578,615A
; FILING DATE: 11-JAN-1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 852,852
; FILING DATE: 16-MAR-1992
; APPLICATION NUMBER: 08/089,996
; FILING DATE: 09-JUL-1993
; APPLICATION NUMBER: 08/199,779
; FILING DATE: 22-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul K. Legaard
; REGISTRATION NUMBER: 38,534
```

```

: REFERENCE/DOCKET NUMBER:  ISIS-1568
: TELECOMMUNICATION INFORMATION:
: TELEPHONE:  (215) 568-3100
: TELEFAX:  (215) 568-3439
: INFORMATION FOR SEQ ID NO:  97:
: SEQUENCE CHARACTERISTICS:
:   LENGTH:  20
:   TYPE:  nucleic acid
:   STRANDEDNESS:  single
:   TOPOLOGY:  linear
:   ANTI-SENSE:  yes
US-08-578-615A-97

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Query Match	60.8%	Score 15.2;	DB 3;	Length 20;
Best Local Similarity	85.0%	Pred. No. 1.1e+03;		
Matches 17; Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0

RESULT 8
 PCT-US94-07770-97
 : Sequence 97, Application PC/TUS9407770
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Nicholas Dean, C. Frank Bennett and
 : APPLICANT: Russell T. Bogs
 : TITLE OF INVENTION: Oligonucleotide Modulation of
 : TITLE OF INVENTION: Protein
 : NUMBER OF SEQUENCES: 119
 :
 : CORRESPONDENCE ADDRESS:

	60.8%;	Score 15.2;	DB 5;	Length 20;
Query Match				
Best Local Similarity	85.0%;	Pred. No. 1.1e+02;		
Matches 17; Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0;
OY	1 cccctagggccccaccagtcta 20			
Dd	1 ccccagggcccccacgattcca 20			

RESULT 9
US-08-292-620A-1175/C
Sequence 1175, Application US/08292620A
Patent No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grilum
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1175:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-292-620A-1175

Query Match	60.8%	Score 15.2	DB 2	Length 36
Best Local Similarity	85.0%	Pred. No. 1.2e+02		
Matches 17	Conservative 0	Mismatches 3	Indels 0	Gaps 0


```

: REFERENCE/DOCKET NUMBER: IIS-1995
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (215) 566-3100
: TELEFAX: (215) 568-3439
: INFORMATION FOR SEQ ID NO: 103:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 20
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: ANTI-SENSE: yes
:
: US-08-468-177-103

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Query Match	59.2%	Score 14.8	DB 2	Length 20
Best Local Similarity	88.9%	Pred. No. 1.7e+02		
Matches 16	Conservative 0	Mismatches 2	Indels 0	Gaps 0

Qy	1	ccctagccccaccagtc	18
Db	2	ccccagggccaccagtc	19

RESULT 15
 US-08-481-072A-103
 ; Sequence 103, Application US/08481072A
 ; Patent No. 5916807
 ; GENERAL INFORMATION:
 ; APPLICANT: Nicholas Dean, C. Frank Bennett
 ; TITLE OF INVENTION: Oligonucleotide Modulation of
 ; TITLE OF INVENTION: Protein Kinase C

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;      COMPUTER READABLE FORM:
;      MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE

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;
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1

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; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/481,072A
 ; FILING DATE: herewith

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;
;      PRIOR APPLICATION DATA:
;
;      APPLICATION NUMBER:  852,8522
;
;      FILING DATE:  March 16, 1992
;

```

ATTORNEY/AGENT INFORMATION:

NAME: Rebecca Ralph Gaumond

REGISTRATION NUMBER: 35,152

REFERENCE/DOCKET NUMBER: 15TS-7154

TELECOMMUNICATION INFORMATION:

TELEPHONE: (315) 568-3100

TELEPHONE: (215) 368-3100
TELETYPE: (215) 550-3430

; INFORMATION FOR SEQ ID NO: 103:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 20

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: 1 in ear

TOPIC: LIT

US-08-481-072A-103

QY	1	ccctagccccaccagtc	18
Db	2	ccccaggccaccagtc	19

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Search completed: March 9, 2002, 00:54:08
Job time: 11359 sec
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Query Match	59.2%	Score	14.8	DB 2;	Length	20;			
Best Local Similarity	88.9%	Pred. No.	1.7e+02;						
Matches	16;	Conservative	0;	Mismatches	2;	Indels	0;	Gaps	0;

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